

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Spring 2010 Levee Inspection Results**

Tehama County Flood Control and Water Conservation District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 01 Deer Creek			Left	4.11
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/9/2010 - 4/9/2010			
DWR Inspector	Bob Duffey			
Accompanied By	Ernie Ohlin Tehama Co.			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Deer Creek						Left	4.11	04/09/2010 04/09/2010	Bob Duffey	
LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	2.50	2.58	Earthen Levee	Slope Stability	CR	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.967016 ° -122.024068 °	39.966455 ° -122.025531 °	7
2	2.72	2.76	Earthen Levee	Slope Stability	CR	M	Repair the levee slope damaged by foot traffic and prevent access where possible.	39.965434 ° -122.027776 °	39.965180 ° -122.028331 °	8
3	2.79	2.79	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	39.964773 ° -122.029060 °	39.964773 ° -122.029060 °	915
4	2.84	2.84	Earthen Levee	Encroachments	WS	M	Tree or limb	39.964387 ° -122.029733 °	39.964387 ° -122.029733 °	914
5	2.85	2.85	Earthen Levee	Encroachments	LS	M	Tree or limb	39.964293 ° -122.029725 °	39.964293 ° -122.029725 °	3
6	2.98	3.00	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 10 ft berm, 2:1 slope, tree hazards, sands and cobbles, 3 ft/s [2009 SiteID:DRC_2-4_L]	39.962911 ° -122.031419 °	39.962725 ° -122.031669 °	1
7	3.64	3.64	Earthen Levee	Encroachments	CR	PO	Fences	39.945249 ° -122.053720 °	39.945249 ° -122.053720 °	9 Y
8	3.74	3.74	Earthen Levee	Encroachments	CR	PO	Fences	39.944432 ° -122.054029 °	39.944432 ° -122.054029 °	10 Y
9	3.79	3.79	Earthen Levee	Encroachments	LS	M	Prunings	39.944135 ° -122.054788 °	39.944135 ° -122.054788 °	5
10	3.96	4.10	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	39.942393 ° -122.056893 °	39.940958 ° -122.058852 °	11
11	3.99	3.99	Earthen Levee	Encroachments	LS	M	Prunings	39.941922 ° -122.057228 °	39.941910 ° -122.057238 °	6

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	04/09/2010 04/09/2010	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	3.64
End Levee Mile	3.64
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the non-permitted gate on the crown of the levee.

rduffey_s_20100616_048.jpg



Levee Mile Report Line	8
Start Levee Mile	3.74
End Levee Mile	3.74
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the nonpermitted gate and cowson the levee.

rduffey_s_20100616_049.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 02 Deer Creek			Right	1.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/9/2010 - 4/9/2010			
DWR Inspector	Bob Duffey			
Accompanied By	Ernie Ohlin Tehama Co.			

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek							Right	1.50	04/09/2010 04/09/2010	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.31	0.31	Earthen Levee	Encroachments	LS	M	Debris	39.970305 ° -122.014465 °	39.970305 ° -122.014465 °	2
2	0.36	0.36	Earthen Levee	Encroachments	LS	PO	Buildings	39.970117 ° -122.015365 °	39.970117 ° -122.015365 °	7
3	0.74	0.74	Earthen Levee	Encroachments	LS	C	Material	39.968832 ° -122.021802 °	39.968832 ° -122.021802 °	3
4	0.84	0.84	Earthen Levee	Encroachments	LS	C	Material	39.968557 ° -122.023477 °	39.968557 ° -122.023477 °	4
5	0.86	0.91	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 10 ft berm, vertical slope, tree hazards and holes, sands and cobbles, 5 ft/s [2009 SiteID:DRC_0-9_R]	39.968164 ° -122.023828 °	39.967767 ° -122.024619 °	1
6	1.01	1.30	Earthen Levee	Encroachments	LS	M	Material	39.967177 ° -122.026250 °	39.964953 ° -122.030640 °	5 Y
7	1.30	1.30	Earthen Levee	Encroachments	WS	M	Firewood	39.964883 ° -122.030655 °	39.964883 ° -122.030655 °	6

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.50	04/09/2010 04/09/2010	Bob Duffey

Levee Mile Report Line	6
Start Levee Mile	1.01
End Levee Mile	1.30
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the concrete that was placed along the slope of the levee.

rduffey_s_20100616_050.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 04 Elder Creek			Left	4.07
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/9/2010 - 4/9/2010			
DWR Inspector	Bob Duffey			
Accompanied By	Ernie Ohlin Tehama Co.			

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek							Left	4.07	04/09/2010 04/09/2010	Bob Duffey
LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.08	0.11	Earthen Levee	Encroachments	LS	C	Firewood	40.051737 ° -122.187700 °	40.051720 ° -122.187103 °	1
2	0.65	0.65	Earthen Levee	Encroachments	LS	C	Garbage	40.051673 ° -122.177185 °	40.051673 ° -122.177185 °	2
3	1.60	1.71	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052607 ° -122.161418 °	40.053558 ° -122.159903 °	3
4	2.30	2.30	Earthen Levee	Encroachments	LS	PO	Poles	40.052344 ° -122.149675 °	40.052344 ° -122.149675 °	4
5	2.82	2.85	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.055033 ° -122.141457 °	40.055595 ° -122.141203 °	916
6	2.84	2.84	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by foot traffic and prevent access where possible.	40.055584 ° -122.141332 °	40.055584 ° -122.141332 °	19
7	3.02	3.02	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	40.056514 ° -122.139449 °	40.056514 ° -122.139449 °	5
8	3.03	3.03	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.056388 ° -122.139168 °	40.056388 ° -122.139168 °	10
9	3.34	3.34	Earthen Levee	Encroachments	LS	M	Garbage	40.057558 ° -122.134417 °	40.057558 ° -122.134417 °	6 Y
10	3.36	3.46	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	40.057267 ° -122.133947 °	40.055840 ° -122.133313 °	12
11	3.67	3.67	Earthen Levee	Encroachments	LS	M	Prunings	40.055666 ° -122.129712 °	40.055666 ° -122.129712 °	20
12	3.80	3.85	Supplemental USACE Erosion Survey	WS	M		Inspector Comments: 2009: 10 ft berm, 2:1 slope, no stability issues, clays and gravels, 3 ft/s [2009 SiteID:ELD_4-1_L]	40.055339 ° -122.127894 °	40.054703 ° -122.127214 °	7

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	04/09/2010 04/09/2010	Bob Duffey

Levee Mile Report Line	9
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the garbage and metal at the toe of the levee & along the slope of the landside.

rduffey_s_20100616_051.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 05 Elder Creek			Right	3.96

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/9/2010 - 4/9/2010			
DWR Inspector	Bob Duffey			
Accompanied By	Ernie Ohlin Tehama Co.			

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek				Right	3.96	04/09/2010 04/09/2010	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.81	0.81	Earthen Levee	Encroachments	LS	M	Prunings	40.050683 ° -122.177573 °	40.050683 ° -122.177573 °	1
2	2.57	2.57	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	40.051675 ° -122.148122 °	40.051675 ° -122.148122 °	8 Y
3	2.70	2.76	Earthen Levee	Encroachments	LS	PO	Landscaping	40.051778 ° -122.145745 °	40.052243 ° -122.144825 °	2
4	2.97	3.07	Earthen Levee	Encroachments	WS	M	Prunings	40.054162 ° -122.142298 °	40.054725 ° -122.140552 °	3
5	3.13	3.13	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	40.055632 ° -122.138910 °	40.055607 ° -122.138868 °	11
6	3.37	3.84	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	40.056831 ° -122.136365 °	40.054862 ° -122.129279 °	9
7	3.45	3.45	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection.	40.056727 ° -122.134888 °	40.056727 ° -122.134888 °	7
8	3.77	3.91	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	40.056922 ° -122.136365 °	40.054562 ° -122.128345 °	10

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.96	04/09/2010 04/09/2010	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	2.57
End Levee Mile	2.57
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the bait station next to the squirrel holes on the landside slope.

rduffey_s_20100616_052.jpg



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